

Claim Amendments

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): A multicoat system, on a substrate (A), comprising:
a clear coat of at least one radiation-curable coating system (F), and, optionally, at least one coat (E), which is pigmented and/or provided with effect substances, and which is adjacent to and under coat (F), said coat comprised of said coating system (F) and optional coat (E) constituting a topcoat, and at least one elastic intercoat (D), which is located between the substrate (A) and the topcoat, and has a glass transition temperature (T_g) of -20°C or less (measured in the frequency range up to 1000 Hz), wherein the substrate has an impact strength to DIN EN ISO 179/1fU at 23°C and 50 % humidity of at least 20 kJ/m^2 , and the ratio (V) of the intercoat thickness (ZS) to the total thickness of the intercoat and the topcoat (DL), expressed as $V = \text{ZS}/(\text{ZS} + \text{DL})$, in the multicoat system, is at least 0.05 at a temperature of at least 25°C .

Claim 2 (Previously Presented): The multicoat system as claimed in claim 1, additionally comprising, between elastic intercoat (D) and substrate (A)
(C) at least one coat selected from the group consisting of primer, basecoat, undercoat, coat pigmented or provided with effect substances, and a second substrate, and
(B) in the event coat (C) is a second substrate layer, at least one elastic intercoat (D) layer is interposed between substrate (A) and the second substrate layer.

Claim 3 (Previously Presented): The multicoat system as claimed in claim 2, wherein said substrate (A) and said second substrate are selected from the group consisting of paper, plastics, and metals.

Claim 4 (Previously Presented): The multicoat system as claimed in claim 1, wherein the substrate (A) is selected from the group consisting of PP (polypropylene), SAN (styrene-acrylonitrile copolymers), PC, PMMA, PBT, PA, ASA (acrylonitrile-styrene-acrylate copolymers), ABS (acrylonitrile-butadiene-styrene-copolymers) and their physical mixtures (blends).

Claim 5 (Previously Presented): The multicoat system as claimed in claim 1, wherein the thickness of the elastic intercoat (D) is from 0.5 to 500 μm .

Claim 6 (Previously Presented): The multicoat system as claimed in claim 1, wherein at least one compound in the elastic intercoat (D) is selected from the group consisting of thermoplastic elastomers, polyacrylates, and poly-*iso*-butenes.

Claim 7 (Previously Presented): The multicoat system as claimed in claim 6, wherein at least one compound in the elastic intercoat (D) is selected from the group consisting of styrene-butadiene-styrene (SBS), styrene-isoprene-styrene (SIS), styrene-ethylene/butylene-styrene (SEBS) and styrene-ethylene/propylene-styrene (SEPS) block polymers.

Claim 8 (Previously Presented): A third substrate coated with a multicoat system as claimed in claim 1.

Claim 9 (Currently Amended): A method of producing the multicomponent system as claimed in claim 1, which comprises applying, between the substrate [[1]] (A) and said coat of at least one radiation-curable coating system (F), said an elastic intercoat (D) having a glass transition temperature (T_g) of -20°C or less.

Claims 10-15 (Canceled).

Claim 16 (Previously Presented): The multicoat system as claimed in claim 2, wherein said substrate and said second substrate are selected from the group consisting of PP (polypropylene), SAN (styrene-acrylonitrile copolymers), PC, PMMA, PBT, PA, ASA (acrylonitrile-styrene-acrylate copolymers), ABS (acrylonitrile-butadiene-styrene-copolymers) and their physical mixtures (blends).

Claim 17 (Previously Presented): The multicoat system as claimed in claim 2, wherein the thickness of the elastic intercoat (D) is from 0.5 to 500 μm .

Claim 18 (Previously Presented): The multicoat system as claimed in claim 2, wherein at least one compound in the elastic intercoat (D) is selected from the group consisting of thermoplastic elastomers, polyacrylates, and poly-*iso*-butenes.

Claim 19 (Previously Presented): The method of claim 9, wherein the substrate (A) comprises an interior surface or an exterior surface of a structure.

Claim 20 (Previously Presented): The third substrate as claimed in claim 8, which is a building component, a vehicle component or an aircraft component.

Claim 21 (Previously Presented): The multicoat system as claimed in claim 1, wherein elastic intercoat (D) has a glass transition temperature (T_g) of -60°C or less (measured in the frequency range up to 1000 Hz).

Claim 22 (Previously Presented): The multicoat system as claimed in claim 1, wherein radiation-curable coating system (F) comprises at least one polymer selected from the group consisting of urethane (meth)acrylates, epoxy acrylates, polyether acrylates, and polyester acrylates.

Claim 23 (Previously Presented): The multicoat system as claimed in claim 1, wherein ratio (V) is at least 0.3 at a temperature of -50°C .

Claim 24 (Previously Presented): The multicoat system as claimed in claim 1, wherein at least one compound in the elastic intercoat (D) is a thermoplastic elastomer, and wherein at least one compound in the at least one radiation-curable coating system (F) is a urethane (meth)acrylate.

Claim 25. (Withdrawn) A method of providing a substrate with a scratch-resistant coating, comprising:

applying an elastic intercoat (D) layer having a glass transition temperature (T_g) of -60°C or less (measured in the frequency range up to 1000 Hz) to a surface of the substrate; and

applying a protective topcoat over the elastic intercoat layer, the topcoat layer comprising an optional coat layer (E) which is pigmented and/or provided with effect substances, followed by a layer of a radiation curable coating system (F).